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    (FILE 'USPAT' ENTERED AT 08:47:37 ON 29 SEP 1997)
L1          5788 S AUSTENIT?
L2          3446 S MARTENSIT?
L3            85 S L1 AND L2 AND (623/CLAS OR 606/CLAS)
L4            29 S L3 AND STENT#
L5           197 S NITINOL AND (STENT# OR 623/1,12,11/CCLS OR 606/191,194,1
95,
L6            12 S L4 AND L5
L7          1525 S L1 (15A) L2
L8            25 S L4 AND L7
                 SET HIGH OFF
L9            25 S L8
                 SET HIGH ON
L10           25 S L9 AND L1 (15A) L2
L11           15 S SELF EXPAND? (3A) PORTION#
L12            0 S DEFORM? (10A) L11
L13            1 S DEFORM? (25A) L11
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15. 3,650,268, Mar. 21, 1972, APPARATUS FOR ARTIFICIAL RESPIRATION OR NARCOSIS; Henning M. Ruben, 128/205.13 :IMAGE AVAILABLE:

9. 5,064,435, Nov. 12, 1991, Self-expanding prosthesis having stable axial length; Christopher H. Porter, 623/12; 606/151, 198 :IMAGE AVAILABLE:

2. 5,520,697, May 28, 1996, Apparatus for correcting the position of a stent; Josef Lindenberg, et al., 606/108 :IMAGE AVAILABLE:

US PAT NO: 3,650,268 :IMAGE AVAILABLE: L11: 15 of 15

DETDESC:

DETD(14)

The invention is not intended to be limited to the examples of embodiments given in the foregoing and it is readily apparent that a large number of alternative forms remain possible within the scope of the invention. Thus, the pumping means, especially the bladder can be given some other shape than shown in the drawings, the connection for introducing gas into the bladder and discharging gas therefrom can be disposed in any other suitable way, and the channels interconnecting the inner and outer cavities of the double wall bladder can be disposed in other parts of the bladder and the number of channels can be more or fewer than shown in the drawings. The number, size and disposition of the pressure limiting membrane or membranes can be altered in many different ways while maintaining the pressure limitation effect obtained by the invention. It is, for example, possible to construct a single wall bladder having circumferential portions which are alternatingly thick and thin, the thick **portions** being **self-expanding** and the thin **portions** serving as pressure limitation means.

US PAT NO: 5,064,435 :IMAGE AVAILABLE: L11: 9 of 15

SUMMARY:

BSUM(20)

A pliable catheter is a suitable apparatus for delivery and deployment of the stent. More particularly, a pliable sheath can surround at least the distal end portion of the catheter and extend beyond the distal tip to surround the stent segments as well, maintaining them in a radially compressed delivery configuration. The catheter can be provided with a lumen, through which a guide wire may be inserted to facilitate travel of the catheter and compressed stent through blood vessels or other body cavities to the fixation area. Once the catheter is inserted properly to position the stent at the desired fixation point, the outer sheath is withdrawn proximally, with the stent abutting the catheter and thus secured against proximal travel with the sheath. The distal **portion** of the stent **self-expands** first, and in expanding against tissue, secures the stent segment against proximal travel. With one end of the stent constrained by tissue and the opposite end constrained by a stationary catheter, the axial length of the stent remains substantially constant. Axial shortening of the stent segments, which accompanies their radial expansion, tends to diminish the length of the medial region and leave the overall axial length unaffected.

US PAT NO: 5,520,697 :IMAGE AVAILABLE: L11: 2 of 15

SUMMARY:

BSUM(9)

According to a preferred development the wire **portions** are of a **self-expanding** nature on being relieved and in particular the wire portions are constructed in one piece with the elongated wire part. In such a case the wire portion preferably comprises individual interlinked wire strands, which divide in the vicinity of the expandable wire portions, but are recombined at the front free end thereof. The wire portions have a prestamping such that they can radially expand on freeing from externally acting forces. In an alternative construction the wire part has a pull wire guided through a hollow wire and which at the front of the wire portions engages thereon, whereas at the rear end connection takes place to the front end of the hollow wire, the wire portions also being constructed in one piece with the hollow wire. In such a construction the expansion of the expandable wire portions can be brought about by pulling on the pull wire.

CLAIMS:

CLMS(2)

2. Apparatus according to claim 1, wherein upon release, said distal portions of the wire **portions** are **self-expanding** wire **portions** so as to move into said expanded position.

(FILE 'USPAT' ENTERED AT 08:47:37 ON 29 SEP 1997)
L1 5788 S AUSTENIT?
L2 3446 S MARTENSIT?
L3 85 S L1 AND L2 AND (623/CLAS OR 606/CLAS)
L4 29 S L3 AND STENT#
L5 197 S NITINOL AND (STENT# OR 623/1,12,11/CCLS OR 606/191,194,195,
L6 12 S L4 AND L5

29 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
ENTER ANSWER NUMBER OR RANGE (1):1-29

1. 5,667,522, Sep. 16, 1997, Urological **stent** and deployment device therefor; Josef Flomenblit, et al., **606/198, 191** :IMAGE AVAILABLE:

2. 5,665,115, Sep. 9, 1997, Intraluminal **stent**; Andrew H. Cragg, **623/1; 606/191, 195; 623/12** :IMAGE AVAILABLE:

3. 5,653,759, Aug. 5, 1997, In-vivo method for repairing a ruptured segment of a therapeutic appliance surgically positioned previously within the body of a living human; John D. Hogan, et al., **623/11**; 128/898; **606/78**; 607/116 :IMAGE AVAILABLE:

4. 5,649,952, Jul. 22, 1997, Expandable **stents** and method for making same; Sharon S. Lam, **606/198, 195; 623/1, 12** :IMAGE AVAILABLE:

5. 5,636,641, Jun. 10, 1997, High strength member for intracorporeal use; Sepehr Fariabi, 128/772; 600/37; **623/1** :IMAGE AVAILABLE:

6. 5,632,746, May 27, 1997, Device or apparatus for manipulating matter; Lee M. Middleman, et al., **606/78, 170, 174** :IMAGE AVAILABLE:

7. 5,630,801, May 20, 1997, Device for implanting a medical prosthesis in a duct of a human or animal body; Maurice Roussigne, et al., 604/95; **606/108, 195; 623/1** :IMAGE AVAILABLE:

8. 5,624,508, Apr. 29, 1997, Manufacture of a two-way shape memory alloy and device; Josef Flomenblit, et al., 148/510, 563; **606/198** :IMAGE AVAILABLE:

9. 5,609,627, Mar. 11, 1997, Method for delivering a bifurcated endoluminal prosthesis; George Goicoechea, et al., **623/1**; **606/108, 194** :IMAGE AVAILABLE:

10. 5,607,445, Mar. 4, 1997, **Stent** for supporting a blood vessel; David P. Summers, **606/198; 623/1** :IMAGE AVAILABLE:

11. 5,603,721, Feb. 18, 1997, Expandable **stents** and method for making same; Lilip Lau, et al., **606/195**; 604/96; **606/108, 194; 623/12** :IMAGE AVAILABLE:

12. 5,601,593, Feb. 11, 1997, **Stent** for placement in a body tube; Lutz Freitag, **606/198, 191, 195; 623/1, 12** :IMAGE AVAILABLE:

13. 5,601,572, Feb. [redacted], 1997, Device or apparatus for manipulating matter having a elastic ring clip; Lee M. Middleman, et al., **606/139, 78, 142, 143** :IMAGE AVAILABLE:

14. 5,597,378, Jan. 28, 1997, Medical devices incorporating SIM alloy elements; James E. Jervis, **606/78**; 604/281; **606/76** :IMAGE AVAILABLE:

15. 5,573,508, Nov. 12, 1996, Catheter with an expandable perfusion lumen; Troy L. Thornton, 604/96; **606/194** :IMAGE AVAILABLE:

16. 5,569,295, Oct. 29, 1996, Expandable **stents** and method for making same; Sharon S. Lam, **606/198, 195; 623/1, 12** :IMAGE AVAILABLE:

17. 5,545,210, Aug. 13, 1996, Method of implanting a permanent shape memory alloy **stent**; Robert L. Hess, et al., **623/1; 606/198; 623/11, 12** :IMAGE AVAILABLE:

18. 5,536,248, Jul. 16, 1996, Method and apparatus for electrosurgically obtaining access to the biliary tree and placing a **stent** therein; George W. Weaver, et al., 604/54, 280; **606/45, 108** :IMAGE AVAILABLE:

19. 5,522,819, Jun. 4, 1996, Dual coil medical retrieval device; Virgil B. Graves, et al., **606/113, 110** :IMAGE AVAILABLE:

20. 5,514,154, May 7, 1996, Expandable **stents**; Lilip Lau, et al., **606/195, 108, 194; 623/13** :IMAGE AVAILABLE:

21. 5,486,183, Jan. 23, 1996, Device or apparatus for manipulating matter; Lee M. Middleman, et al., **606/127, 113, 114** :IMAGE AVAILABLE:

22. 5,466,242, Nov. 14, 1995, **Stent** for biliary, urinary or vascular system; Katsushi Mori, **606/198; 623/1** :IMAGE AVAILABLE:

23. 5,421,955, Jun. 6, 1995, Expandable **stents** and method for making same; Lilip Lau, et al., 216/48, 65; 604/95; **606/198** :IMAGE AVAILABLE:

24. 5,405,377, Apr. 11, 1995, Intraluminal **stent**; Andrew H. Cragg, **623/1; 606/191, 194, 198; 623/12** :IMAGE AVAILABLE:

25. 5,197,978, Mar. 30, 1993, Removable heat-recoverable tissue supporting device; Robert L. Hess, **623/1; 606/194; 623/11, 12** :IMAGE AVAILABLE:

26. 5,190,546, Mar. 2, 1993, Medical devices incorporating SIM alloy elements; James E. Jervis, **606/78**; 128/833; 148/402, 563; **606/60, 62, 68, 108, 200** :IMAGE AVAILABLE:

27. 5,067,957, Nov. 26, 1991, Method of inserting medical devices incorporating SIM alloy elements; James E. Jervis, **606/108**; 128/833; **606/67, 69, 78; 623/2** :IMAGE AVAILABLE:

28. 4,665,906, May 19, 1987, Medical devices incorporating sim alloy elements; James E. Jervis, **606/78** :IMAGE AVAILABLE:

29. 4,503,569, Mar. 12, 1985, Transluminally placed expandable graft prosthesis; Charles T. Dotter, **623/1**; 604/8; **606/191, 200** :IMAGE AVAILABLE:

1. 5,667,522, Sep. [redacted] 1997, Urological **stent** and de[redacted]yment device therefor; Josef Flom[redacted]blit, et al., **606/198**, **191** :IMA[redacted] AVAILABLE:

2. 5,665,115, Sep. 9, 1997, Intraluminal **stent**; Andrew H. Cragg, **623/1**; **606/191**, **195**; **623/12** :IMAGE AVAILABLE:

3. 5,653,759, Aug. 5, 1997, In-vivo method for repairing a ruptured segment of a therapeutic appliance surgically positioned previously within the body of a living human; John D. Hogan, et al., **623/11**; 128/898; **606/78**; 607/116 :IMAGE AVAILABLE:

4. 5,630,801, May 20, 1997, Device for implanting a medical prosthesis in a duct of a human or animal body; Maurice Roussigne, et al., 604/95; **606/108**, **195**; **623/1** :IMAGE AVAILABLE:

5. 5,624,508, Apr. 29, 1997, Manufacture of a two-way shape memory alloy and device; Josef Flomenblit, et al., 148/510, 563; **606/198** :IMAGE AVAILABLE:

6. 5,609,627, Mar. 11, 1997, Method for delivering a bifurcated endoluminal prosthesis; George Goicoechea, et al., **623/1**; **606/108**, **194** :IMAGE AVAILABLE:

7. 5,607,445, Mar. 4, 1997, **Stent** for supporting a blood vessel; David P. Summers, **606/198**; **623/1** :IMAGE AVAILABLE:

8. 5,601,593, Feb. 11, 1997, **Stent** for placement in a body tube; Lutz Freitag, **606/198**, **191**, **195**; **623/1**, **12** :IMAGE AVAILABLE:

9. 5,536,248, Jul. 16, 1996, Method and apparatus for electrosurgically obtaining access to the biliary tree and placing a **stent** therein; George W. Weaver, et al., 604/54, 280; **606/45**, **108** :IMAGE AVAILABLE:

10. 5,522,819, Jun. 4, 1996, Dual coil medical retrieval device; Virgil B. Graves, et al., **606/113**, **110** :IMAGE AVAILABLE:

11. 5,405,377, Apr. 11, 1995, Intraluminal **stent**; Andrew H. Cragg, **623/1**; **606/191**, **194**, **198**; **623/12** :IMAGE AVAILABLE:

12. 4,503,569, Mar. 12, 1985, Transluminally placed expandable graft prosthesis; Charles T. Dotter, **623/1**; 604/8; **606/191**, **200** :IMAGE AVAILABLE:

<4 15 hit, 9 hit, 2 hit